KS-6910/6910TS/6910HS

Technical Manual

Rev.: Original

KS-6910

KS-6910TS

KS-6910HS

MANUFACTURED BY: ***POSIFLEX TECHNOLOGY, INC.***

AN **ISO-9001** AND **ISO-14001** CERTIFIED MANUFACTURER

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IMPORTANT NOTES

FCC Notes

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions manual, may cause interference to radio communications. It has been tested and found to comply with limits for a Class A digital device pursuant to subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures to correct the interference.

WARRANTY LIMITS

Warranty will terminate automatically when the machine is opened by any person other than the authorized technicians. The user should consult his/her dealer for the problem happened. Warranty voids if the user does not follow the instructions in application of this merchandise. The manufacturer is by no means responsible for any damage or hazard caused by improper application.

ABOUT THIS MANUAL

This manual assists the user especially the software programmer who provides the software system for POS application to utilize the hardware of the KS series which is a member of the POSIFLEX integrated point-of-sale terminal product family. The KS is a compact point-of-sale system that gives the most user friendly application interface by providing a touch control LCD panel and combines the performance and affordability of personal computers with the elegance and reliability of business machine. The KS series also provides the built-in networking capability for easy communication among multiple terminals in addition to the data transfer and control through back office server.
The manufacturer of the KS series heartily apologizes to the user for reserving the right to change or to modify this manual without notice due to the rapid and constant progress and improvement on science and technology. The user may always obtain the most up to date information or software utilities through any of our web sites:
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CE

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Overview

Scope

Designed as compact size, midrange fan-free POS terminals and empowered by Intel processor, KS-6910, KS-6910TS, KS-6910HS share equally outstanding performance and remarkable reliability while having distinct uniqueness to suit different applications.

Featuring an optional built-in MSR, KS6910 not only saves cost from buying an external one, but also spare counter space for better consumer reception. The optional accessories available to KS-6910 include side programmable keypad and customer pole display, enabling easy data input and friendly customer service respectively. KS-6910 can be wall mounted with wall mount optional kit.

With an additional built-in handset rather than KS-6910, KS-6910TS makes voice communication easy through VOIP technology via either LAN or Wi-Fi. The optional accessories available to KS-6910TS include wall mount kit and customer pole display, enabling easy flexible setup configuration and friendly customer service respectively. KS-6910 and KS-6910TS can also be coupled BonusPay and smart card reader CC-1000 to enhance payment convenience.

Serving as a versatile infotainment and communication center, KS-6910HS comes with built-in camera and handset, and makes voice call and video conferencing right at your fingertips. User authentication and authorization are also made safe and easy by the built-in fingerprint sensor. Owning to its compact size, wall mount readiness, and internet connection capability through LAN or Wi-Fi, the deployment hasn’t been this easy with KS-6910. It also features physical hot-keys for user to directly access frequently used functions like hands-free calling, camera, volume adjustment, emergency alert, and homepage.

Features

KS-6910

- Intel processor with DDR3 RAM.
- Supports storage expansion by SSD and CF card
- 10-inch resistive touchscreen LCD with 800x600 resolution
- Quiet operation and dustproof capability achieved by fan-free design
- Outstanding heat dissipation capability by aluminum die casting
- Push-to-open power switch protective cover to prevent accidental shutdown
- Tiltable LCD with adjustment angle from 20° to 90°
- Compact design with an optional built-in MSR
- Wall mounting kit option available

KS-6910TS

- Intel processor with DDR3 RAM.
- Supports storage expansion by SSD and CF card
- 10-inch resistive touchscreen LCD with 1024x768 resolution
- Quiet operation and dustproof capability achieved by fan-free design
- Outstanding heat dissipation capability by aluminum die casting
- Push-to-open power switch protective cover to prevent accidental shutdown
- Tiltable LCD with adjustment angle from 20° to 90°
- Compact design with an optional built-in MSR and handset
- Wall mounting kit option available
- Supports VoIP-ready software
- Supports hand-free-calling ready software

KS-6910HS

- Intel processor with DDR3 RAM.
- Supports storage expansion by SSD and CF card
- 10-inch resistive touchscreen LCD with 1024x768 resolution
- Quiet operation and dustproof capability achieved by fan-free design
- Outstanding heat dissipation capability by aluminum die casting

- Push-to-open power switch protective cover to prevent accidental shutdown
- Tiltable LCD with adjustment angle from 20° to 90°
- Compact design with built-in handset, webcam, and fingerprint sensor
- Wall mounting kit option available
- Supports VoIP-ready software
- Supports hand-free-calling ready software
- Supports hospitality application software
- Compatible with a wide range of medical instruments
- Built-in 2.0 MP swivel webcam for video conference
- Built-in fingerprint sensor for user authentication
- Physical hot keys for quick access to frequently used functions: Camera, hand-free calling, home page, and volume adjustment
- With corresponding software application or driver, KS6910HS can also provide with following features:
  - Internet access to radio, music, and video on demand
  - Video conferencing via VoIP
  - Household surveillance
  - Emergency assist request

System Customization Options

※ Must be specified on ordering.

- OS: Windows® CE, Windows® XP Pro, POS Ready 2009, POS Ready 7 (32-bit/64-bit), Windows® 7 (32-bit/64-bit)
- DRAM: 1/2/4 GB DDR3
- CPU: Intel® Single or Dual core

Package Contents

- One DVD Case, containing one Recovery CD/DVD of preloaded OS (if ordered with preloaded OS), one Wi-Fi driver CD (if ordered with Wi-Fi option), and one User Manual print
- One 12 V DC 5A Power Adapter with One Power Cord
- COM1 RS232 terminator plug (KS-6910 / KS-6910TS)

- Handset (KS-6910TS/KS-6910HS)

Peripheral Options

- SSD (minimum 8GB) or Type I CF card for storage expansion
- DRAM expansion up to 4 GB
- PD-309 / 309U 2x20 LCD customer display, default 200mm pole
- PD-2605 / PD-2605U 2x20 VFD customer display, default 200mm pole
- COM4 connection with converter cable (P/N: 21862033420)
- VGA Interface: 15 Pin D-SUB with converter cable (P/N: 21862062300)
- WB-6812 Wall mount kit
- Fingerprint Sensor (KS-6910TS)
- Side mounted programmable keypad KP-450 (KS-6910)
- MSR: 2 or 3 tracks and JIS-II (KS-6910, KS-6910TS)
- Wi-Fi: 802.11 b/g/n (KS-6910TS/KS-6910HS)

General Specifications

System

CPU	Intel Pine View D425 1.8 GHz / 512 K Cache or Intel Pine View D525 1.8 GHz / 1 M Cache (Dual Core) (Optional)
Memory	DDR3 800 MHz, SO-DIMM socket x 1, max 4 GB, default 1 GB
Storage	2.5” SATA HDD or CF card (Optional) or SSD (Optional)

Power Supply

DC Power Adapter

Input Voltage Range	100-240 V AC
Input Load limit	2.0 A max.
Input Frequency	47-63 Hz
Input Current	1.2 A (Max) @ 115 V AC /60Hz with full load; 0.6 A (Max) @ 230 V AC /50HZ with full load
Output Voltage	12 V DC
Output Current	4.16 A
Temperature	Operating: 0 to 40 ℃; Storage: -20 to 85 ℃
Humidity	Operating: 8 to 90 %; Storage: 5 to 90 %

System Power Consumption

Max	50W

System Power Output

DB9 COM Port	+ 5 V DC / 1 A max for all ports
USB Port	+ 5 V DC / 0.5 Amp max per port
HDD Power Port	+ 5V DC

LED Indicators

KS-6910

LED Indicator	Description		Location
Power Status	Off:	No power input.	
	Blue:	The system is power on.	
	Orange:	The system is on standby mode.	

KS-6910TS

LED Indicator	Description		Location
Power Status	Off:	No power input.	
	Blue:	The system is power on.	
	Orange:	The system is on standby mode.	
Missed Call*	Off:	Normal mode.	
	Flashing:	Incoming Call missed.	

*Must be configured and enabled by dedicated software.

KS-6910HS

LED Indicator	Description		Location
Power Status	Off:	No power input.	
	Blue:	The system is power on.	
	Orange:	The system is on standby mode.	
Missed Call*	Off:	Normal mode.	
	Flashing:	Incoming Call missed.	

*Must be configured and enabled by dedicated software.

Touchscreen Panel

Type	Five-wire Analog Resistive
Input Mode	Stylus or Finger
Durability	10 million touches for each touch point

Display

KS-6910

Screen Size	10.4” TFT LCD
Display Area	211.2mm(W) x 158.4mm(H)
Resolution	800(W) x 600(H) RGB
Memory	DVMT 4.0
Backlight	LED
Color Depth	≒16M Colors
Tilt Angle	20˚ to 90˚

KS-6910TS/KS-6910HS

Screen Size	10” TFT LCD
Display Area	202.75mm(W) x 152.06mm (H)
Resolution	1024(W) x 768(H) RGB
Memory	DVMT 4.0
Backlight	LED
Color Depth	≒16M Colors
Tilt Angle	20˚ to 90˚

Physical Specs

	KS-6910	KS-6910TS	KS-6910HS
Dimension	259.8 x 269 x 206 mm	310 x 269 x 206	310 x 269 x 206
(W x H x D)	(12.2” x 8.11” x 10.6”)	(12.2” x 8.11” x 10.6”)	(12.2” x 8.11” x 10.6”)
Net Weight	2.82 Kg (6.22 lbs)	3.12 Kg (6.88 lbs)	3.12 Kg (6.88 lbs)

Internet Connections

Ethernet LAN Port	10 / 100 / 1000 Mb
Wi-Fi	802.11 b/g/n (KS-6910TS/KS-6910HS)

Environment

Temperature

Operation (HDD)	0°C to +40°C (14°F to 110°F)
Operation (SSD)	0°C to +50°C (14°F to 120°F)
Storage	-20°C to +60°C (-4°F to +140°F)

Humidity

Operation	20%RH ~ 90%RH, non-condensing
Storage	20%RH ~ 90%RH, non-condensing

Compliances and Certifications

- System: CE, FCC, RoHS, WEEE, ISO14001, ISO9001
- Power Supply: CE, FCC, WEEE, UL, TUV, PSE

Reliability Specifications

Resistive Touchscreen Life Expectancy

Each touch point can sustain more than 10 million touches.

MSR Life Expectancy

The Magnetic Stripe Reader (MSR) provided by Posiflex can sustain more than 500,000 passes.

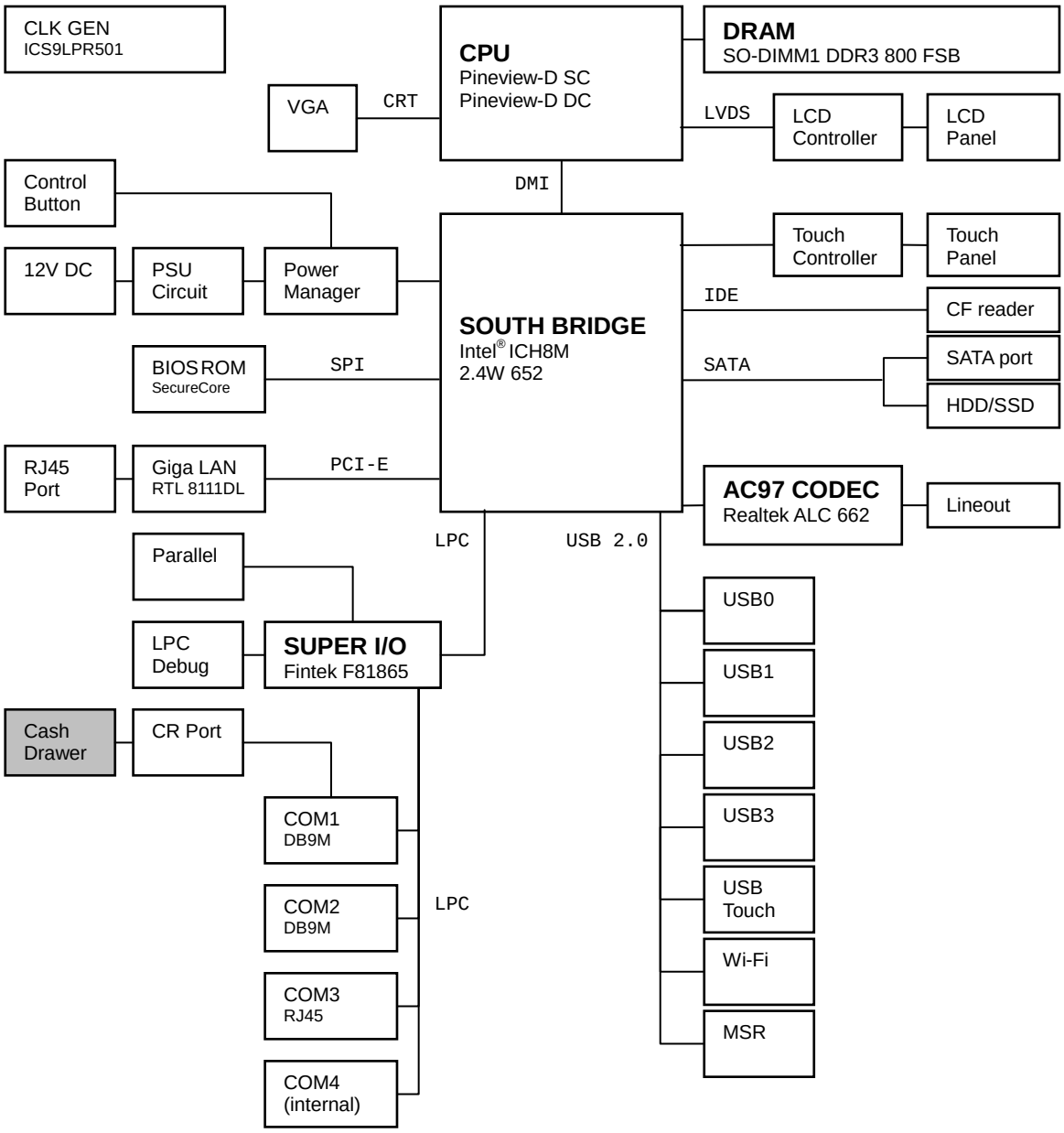
System Overall Reliability

The Mean Time between Failure (MTBF) of the system is 50,000 hours at 90% confidence level.

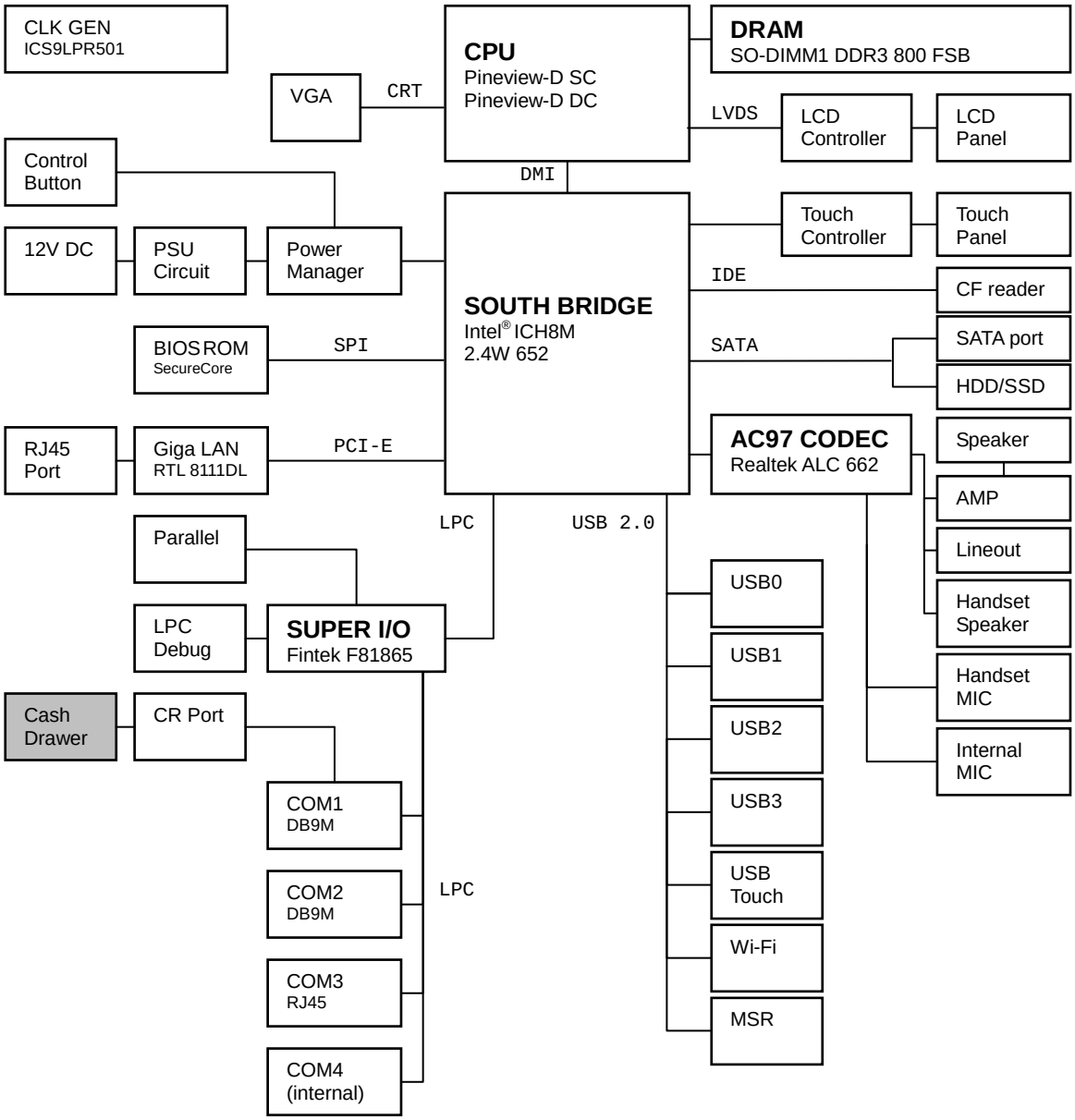
System Definitions

Block Diagram

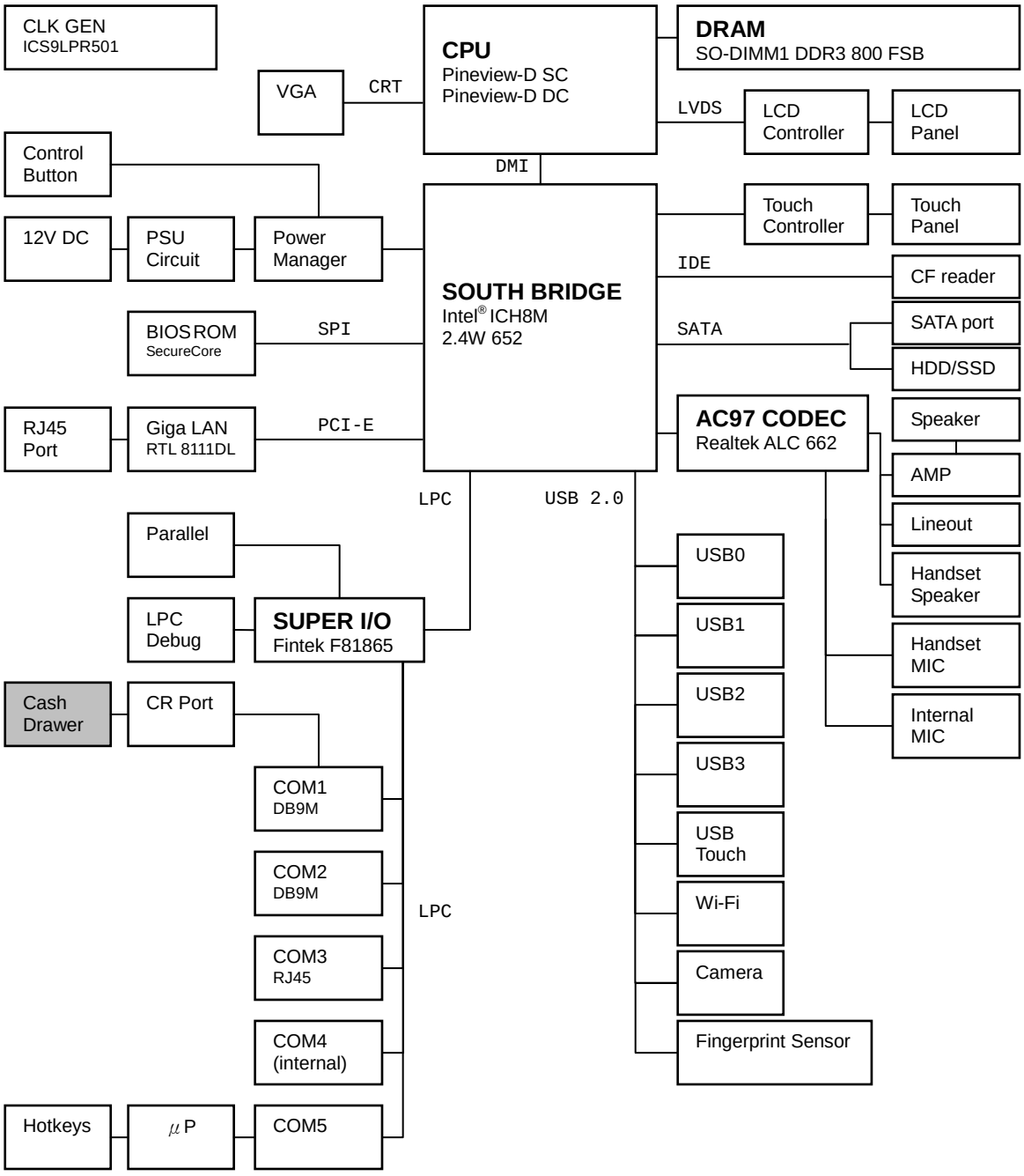
KS-6910



KS-6910TS


CLK GEN
ICS9LPR501
VGA
CRT
CPU
Pineview-D SC
Pineview-D DC
DRAM
SO-DIMM1 DDR3 800 FSB
LVDS
LCD Controller
LCD Panel
Control Button
DMI
12V DC
PSU Circuit
Power Manager
Touch Controller
Touch Panel
IDE
CF reader
SOUTH BRIDGE
Intel® ICH8M
2.4W 652
BIOS ROM
SecureCore
SPI
SATA
SATA port
HDD/SSD
RJ45 Port
Giga LAN
RTL 8111DL
PCI-E
AC97 CODEC
Realtek ALC 662
Speaker
AMP
Lineout
Handset Speaker
Handset MIC
Internal MIC
LPC
USB 2.0
Parallel
USB0
USB1
USB2
USB3
USB Touch
Wi-Fi
MSR
LPC Debug
SUPER I/O
Fintek F81865
Cash Drawer
CR Port
COM1
DB9M
COM2
DB9M
COM3
RJ45
COM4
(internal)
LPC

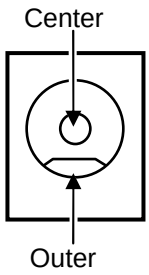
KS-6910HS


CLK GEN
ICS9LPR501
VGA
CRT
CPU
Pineview-D SC
Pineview-D DC
DRAM
SO-DIMM1 DDR3 800 FSB
LVDS
LCD Controller
LCD Panel
Control Button
DMI
12V DC
PSU Circuit
Power Manager
Touch Controller
Touch Panel
IDE
CF reader
SOUTH BRIDGE
Intel® ICH8M
2.4W 652
BIOS ROM
SecureCore
SPI
SATA
SATA port
HDD/SSD
RJ45 Port
Giga LAN
RTL 8111DL
PCI-E
AC97 CODEC
Realtek ALC 662
Speaker
AMP
Lineout
Handset Speaker
LPC
USB 2.0
Parallel
USB0
LPC Debug
SUPER I/O
Fintek F81865
USB1
Handset MIC
Cash Drawer
CR Port
USB2
Internal MIC
USB3
COM1
DB9M
USB Touch
COM2
DB9M
Wi-Fi
LPC
COM3
RJ45
Camera
COM4
(internal)
Fingerprint Sensor
Hotkeys
μP
COM5

Pinouts Definitions

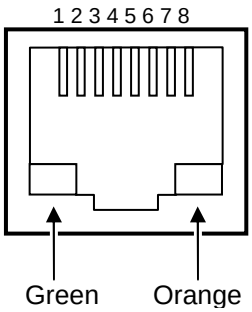
12 V DC IN 2.5/5.5 CONNECTOR

Contact	Definition
Center	+12 V
Outer	GND



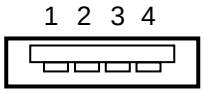
LAN Port

- This port is defined as 1G base T or 100 base T or 10 base T LAN port.
- This port is utilized by the system in PnP (Plug-N-Play), IRQ assigned is not fixed for this port. Most usual observation is IRQ 11.



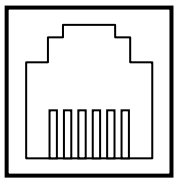
PIN #	Definition for 10/100Mbps	Definition for 1Gbps
1	TD +	DA +
2	TD -	DA -
3	RD +	DB +
4	NC	DC +
5	NC	DC -
6	RD -	DB -
7	NC	DD +
8	NC	DD -

USB0-USB3



Pin #	Definition
1	VCC
2	-DATA
3	+DATA
4	GND

CR Port (for Cash Drawer)

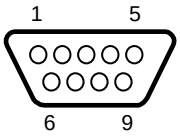


- This is a RJ11 jack for cash drawer control providing control ability over max. 2 cash drawers.
- The cash drawer solenoid input is a 150 msec. grounding signal.
- The power to cash drawer solenoid is DC 12 V nominal.
- The command to open cash drawer is decoded through COM 1.
- The drawer open indication can be detected by software through status check on RI signal of COM 1.

※ To ensure CR port functioning normally, Com1 (DB9M) must be connected all time, either with a peripheral or a RS232 Terminator Plug (P/N: 21700009141).

Pin #	Definition
1	NC
2	DRAWER KICK 1
3	DRAWER OPEN SENSE
4	+POWER
5	DRAWER KICK 2
6	GND

Serial Port Com1/2



- Both COM ports appear in form of DB9M connectors like the right drawing.
- IRQ 4 is assigned to COM1 port. IRQ 3 is assigned for COM2. Can be changed in CMOS setup.

※ To ensure CR port functioning normally, Com1 (DB9M) must be connected all time, either with a peripheral or a RS232 Terminator Plug (P/N: 21700009141).

Pin #	Definition	Alternative
1	DCD	
2	RX	
3	TX	
4	DTR	
5	GND	
6	DSR	
7	RTS	
8	CTS	
9	+5V DC	Disable* / Enable

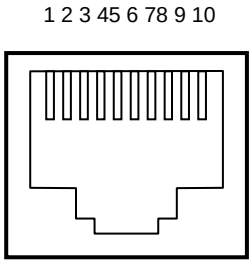
Note: To enable 5V output function for COM1 or COM2 in BIOS setting,

1. Ensure pin 1 and pin 3 of JP9 is set to short. (refer to Hardware Details)
2. Press **F2** right after switching on the system to access BIOS Setup.
3. On **Intel** tab, select the option **COM1 – 5V output** or **COM2 – 5V output** by pressing arrow keys.
4. Press **Enter** key to edit, select **Enabled**, and then press **Enter** to apply the selection.
5. Press **F10** to save the changes and exit BIOS setup.

*5V DC output is disabled by default.

Serial Port Com3

- COM3 ports appear in form of RJ45 type 10 pin modular connectors like the right drawing. However, after use of the conversion cable (P/N: 2186323380) supplied the pin assignment in DB9 connector of the conversion cable complies with RS232 standard.
- IRQ 10 is assigned to COM3. This setting can be changed in BIOS CMOS setup as COM1/COM2.
- 5V DC output can be enabled by Jumper setting (JP8).



Pin #	Definition	Alternative
1	GND	
2	DCD	
3	RX	
4	TX	
5	DTR	
6	GND	
7	DSR	
8	RTS	
9	CTS	
10	+5V DC	Disable* / Enable

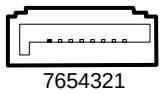
Note: To enable 5V output function for COM3 in BIOS setting,

1. Ensure pin 1 and pin 3 of JP8 is set to short. (refer to Hardware Details)
2. Press **F2** right after switching on the system to access BIOS Setup.
3. On **Intel** tab, select the option **COM3 – 5V output**.
4. Press **Enter** to edit, select **Enabled**, and then press **Enter** to apply the selection.
5. Press **F10** to save the changes and exit BIOS setup.

*5V DC output is disabled by default.

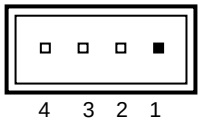
SATA HDD Connector

Pin #	Definition
1	GND
2	+TX
3	-TX
4	GND
5	-RX
6	+RX
7	GND



HDD POWER CONNECTOR

- This connector is a small 4 pin connector with housing



Pin #	Definition
1	+ 5 VDC
2	GND
3	GND
4	NC

IRQ Assignments

The default IRQ assignments are as follows.

Label	Type	Default IRQ
COM1	DB9M	4
COM2	DB9M	3
COM3	RJ45	10
LAN	RJ45	11

To change the IRQ for a serial port,

1. Press **F2** right after switching on the system to access BIOS Setup.
2. On **I/O Device configuration** tab, select **Interrupt** under the port name (**Serial port 1, 2, 3** …) you wan to configure.
3. Press **Enter** to edit, select the IRQ you want to assign with, and then press **Enter** to apply the change.
4. Press **F10** to save the changes and exit BIOS setup.

Peripherals and Accessories

KP-450 45-Key Programmable Keyboard

- To be installed on the side of KS-6910 or KS-6910TS.
- 29 programmable keys with 15 numeric keys (including 1 double key) place a

Magnetic Stripe Reader

- ISO 2 tracks ((track 1 + track 2) or (track 2 + track 3)), or
  ISO 3 tracks (track 1 + track 2 + track 3) or JIS I/II
- Characteristic parameters of ISO readers can be set via software
- AAMVA/CA DMV format supported in ISO 3 tracks model

Optical Fingerprint Sensor

- Detection area : 14.6 x 18.1 mm (nominal at center)
- Gray scale : 8 bits (256 levels)
- Resolution : 512 dpi

Customer Display

Model Number	PD-76x4
Display	STN LCD
Graphic Display	240 x 64 dots
Digit height	8.47 mm
Digit width	4.24 mm
Display color	Blue
Total Height	200 mm
Total Width	221 mm
Total Depth	110 mm
Display Window Width	130 mm
Display Window Height	37 mm
Case color	Black

Connection Interface	RJ-45	

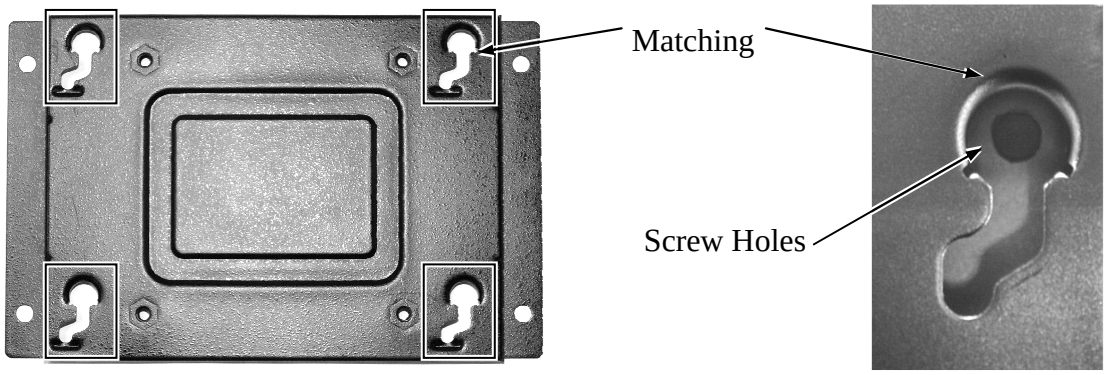
Model Number	PD-2605	PD-2605U
Display	VFD	
Number of digits	20 digits/row, 2 rows	
Dot matrix	5 x 7dots	
Digit height	9.03 mm	
Digit width	5.25 mm	
Display color	Dark Blue or Green	
Total Height	200 mm	
Total Width	221 mm	
Total Depth	110 mm	
Display Head Height	57.5 mm	
Display Head Width	196.6 mm	
Display Head Height	39.5 mm	
Case color	Black, Ivory	
Connection Interface	RS-232	USB

Model Number	PD-309	PD-309U
Display	LCD	
Number of digits	20 digits/row, 2 rows	
Dot matrix	5 x 7dots	
Digit height	9.66 mm	
Digit width	6 mm	
Display color	Dark Blue or Green	
Total Height	200 mm	
Total Width	221 mm	
Total Depth	110 mm	
Display Head Height	57.5 mm	
Display Head Width	196.6 mm	
Display Head Height	39.5 mm	
Case color	Black, Ivory	
Connection Interface	RS-232	USB

Wall Mount Kit WB-6812

For detail information about WB-6812, please refer to *Installation Guide for Wall Mount Kit Wb-6812*.

1. Select a flat surface on wall of adequate strength and with proper ventilation and space condition. Unfold the attached paper template for drill pattern on the wall surface in correct orientation. Drill 4 holes in rectangular layout as marked in the template that gives a rectangular drill pattern of 4.3" or 110 mm wide (horizontal) and 2.95" or 75 mm high (vertical). Holes' diameter should be 1/4" or 6.35 mm each. Holes' depth should be at least 1 and 3/8" or 35 mm. Please then insert one plastic cotter into each hole leaving the flat end with hole of the plastic cotter at the outside opening of the hole. Use a hammer to tap the plastic cotter in gently if necessary.
2. Remove the template and hold the bracket against the wall. Make sure that the wider part of each of the four matching holes faces in the upward direction. Screw at screw holes through matching holes into plastic cotters.



3. To hang main unit of a KS series touch terminal or touch monitor on to the bracket, align the four matching pegs on the back of the main unit to the four matching holes in the bracket. To allow the main unit to go down the guide by gravity, push it to the left and allow it to seat in the lowest corner of the matching holes.
4. In future removal of the main unit from the bracket, please remember to raise the main unit, move it to the right and further raise it up to allow matching pegs to come out of the matching holes.

5. For alternative application of the bracket to a VESA joint mechanism instead of the rigid wall, please screw the bracket to the joint mechanism at appropriate set of metal bosses in center of backside of the bracket.

Application Guides

Power On/Off Control

The system BIOS (Phoenix® SecureCore™) for TKS-6910 / KS-6910TS /KS-6910HS provides Power On/Off control capabilities: Resume on Modem Ring, Resume on Time, and counter-Power Failure procedures.

Access BIOS

To access Power On/OFF control menu in BIOS,

1. Press **F2** right after switching on the system to access BIOS Setup.
2. Select **Power** tab by pressing arrow keys.

Resume On Modem Ring

By enabling this option, the system would wake up on a calling to the modem it connects to.

To enable Resume on Modem Ring,

1. Under **Power** tab, select **Resume On Modem Ring**, and then press **Enter** to edit.
2. Select **On** (default=off), and press **Enter** to apply the change.
3. Connect the system to a modem with a RS232 DB9M cable.

Resume On Time

By enabling this option, the system would wake up on a specific time.

To enable Resume on a set time,

1. Under **Power** tab, select **Resume On Time**, and then press **Enter** to edit.
2. Select **On** (default=off), and press **Enter** to apply the change.
3. Select **Resume Time**, type the time when you want the system to wake up (e.g. 23:59:59).

After Power Failure

This option decides how the system reacts to an accidental power loss. To configure,

1. Under **Power** tab, select **After Power Failure**, and then press **Enter** to edit.

2. Select one of the three options:
   Stay Off: When the power is back, the system stays powered-off until the power switch is again pressed.
   Last State: When the power is back, the system resumes to the previous state just before the power outage.
   Power On: When the power is back, the system boots up normally.
3. Press **Enter** to apply the change.

Save Changes and Exit BIOS

To apply all changes and exit BIOS setup,

- Press **F10** to save the changes and exit, or
- Select **Exit** tab, select **Exit Saving Changes**, and then press **Enter**.

Peripheral Setup

HDD, SSD and CF Reader Issues

As described in the User's Manual, the system data storage device may take variation from the default 2.5" SATA HDD in main unit to have an optional 2.5" SATA HDD in base or to use a SATA SSD or an internal CF memory card reader instead of the default HDD. Please check the BIOS setting accordingly if the configuration has been changed.

Posiflex® USB Touch Tools

Posiflex USB Touch Tools is a set of software applications that can help to improve user experience with touch screen on Posiflex® systems.

Posiflex USB Touch Manager serves as the portal of the other tools and a touchscreen settings manager. **Posiflex USB Touch Calibrator** can correct touch point sensing accuracy. **USB Touch Edge Acceleration Tool** can help to accelerate cursor toward the edge of the screen. When **USB Touch Right Button** is active, any touches on the screen can act like clicking with right mouse button.

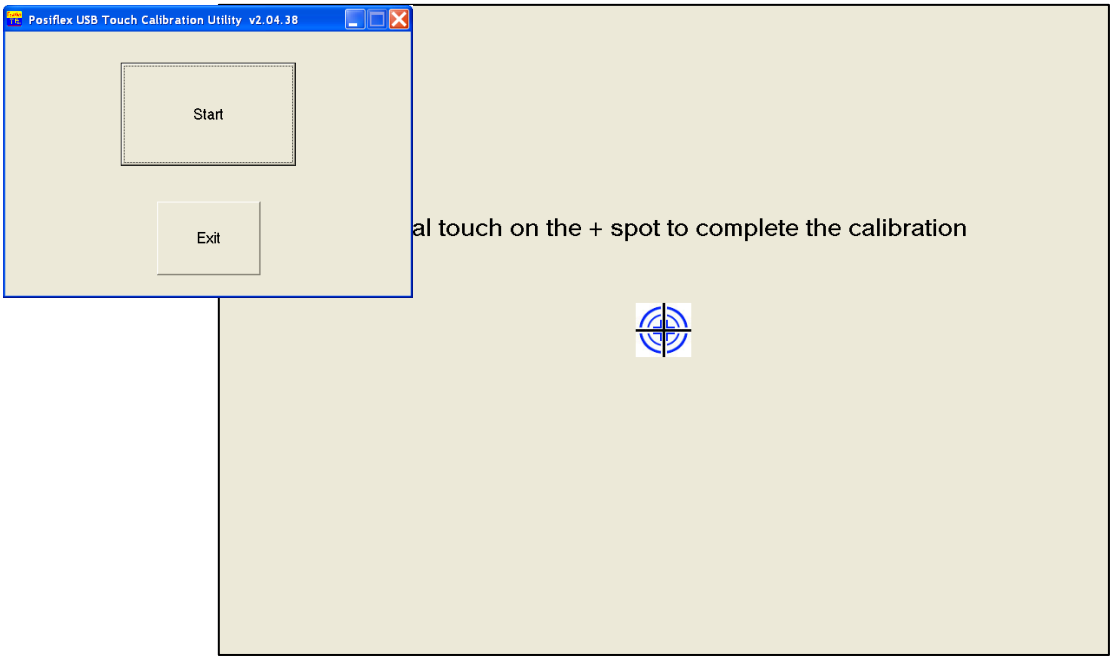
Posiflex USB Touch Manager

Note: Setting would not be effective until clicking **Apply** or **OK**.

Item	Description
Upper Right Section	
Calibrate	Click to run **Posiflex USB Touch Calibrator.**
Hide Cursor (Show Cursor)	Click to hide the cursor until clicking the button again (name changed to **Show Cursor** when the cursor is hidden)
Restore Defaults	Click to restore all settings to default in Touch Manager.
Edge Accel.	Click to run **Posiflex USB Touch Edge Acceleration Tool**.
Enable Touch	Touch function is enabled when the **Enable Touch** checkbox is selected. To disable touch function, click it to unselect the checkbox.
Enable Touch_to_RightButton	Once the checkbox is selected and click **Apply** to apply the change, touching and holding for more than the defined delay of the time will call up context menu just as right-clicking with mouse. *Delay can be adjusted in **Time delay for Touch_to_RightButton** under **General settings** up to 3 seconds.
Enable Touch_to_Calibrate	Once the checkbox is selected and click **Apply** to apply the change, touching and holding for more than the defined delay of the time will call up a dialogue box directing to **Posiflex USB Touch Calibrator.** *Delay can be adjusted in **Time delay for Touch_to_Calibrate** under **General settings** with at least 5 seconds delay. **5 seconds are given to abort being directed to **Posiflex USB Touch Calibrator**.
Enable Buzzer	When selected, the buzzer beep sounds every time a touch is made. To silence the buzzer from beeping, click **Enable Buzzer** to unselect the checkbox and click **Apply** to apply the change. ***Buzz Frequency** and **Buzzer Duration** option would be available in **General Settings** when **Enable Buzzer** is

	selected. ** The beep can not be muted in **Posiflex USB Touch Calibrator** even this option is selected.
Touch mode settings	
Mouse Emulation	As finger or stylus gently touches and slide, the cursor moves as if manipulating with a mouse. - Click and drag to create a selection area: Yes - Drag and drop: Yes - Double Click: Yes
Click on Touch	The cursor jumps rater than slides to the touched point. - Click and drag to create a selection area: No - Drag and drop: No - Double Click: Yes
Click on Release	The cursor jumps rater than slides to the touched point until releasing the finger or stylus from the screen. - Click and drag to create a selection area: No - Drag and drop: No - Double Click: Yes
General Settings	
Buzzer Frequency	● Available when the **Enable Buzzer** option is selected. Adjust the sound pitch of the buzzer.
Buzzer Duration	● Available when the **Enable Buzzer** option is selected. Adjust how long the beep lasts.
Double Click Area	Decide the effective area of two consecutive touches. Double click would be unsuccessful if the second touch drops outside the predefined area of the first touch.
Bottom Control Buttons	
OK	Click to apply the changes and quit USB Touch Manager.
Cancel	Click to quit USB Touch Manager without applying the changes.
Apply	Click to apply the changes.
Help	Click to open instruction text file for **Posiflex USB Touch Tools**.

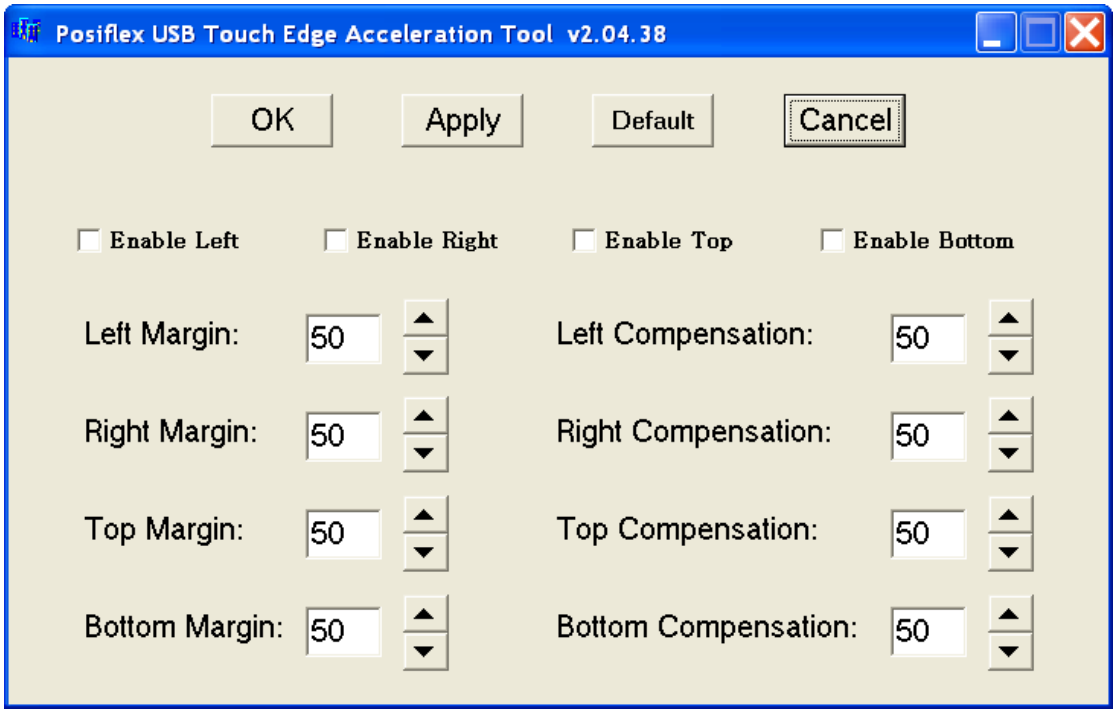
USB Touch Calibrator



To make touch and activation point in alignment,

1. Run **Posiflex USB Touch Calibrator**.
2. Click **Start** to proceed to calibration process, otherwise click **Exit** to quit.
3. As onscreen instructions suggest, touch on the center of each crosshair mark ( ).
4. The calibration takes five steps, and ends in returning to **Posiflex USB Touch Calibration Utility** dialog box.
5. Click **Exit** to quit.

USB Touch Edge Acceleration Tool



Sometimes we need to move the cursor to the very edge of the screen, like reaching for the hidden task bar in Windows®. **USB Touch Edge Acceleration Tool** helps to move the cursor to the edge of the screen, because the edge of the touch panel can be difficult to touch with finger or even stylus.

To activate edge acceleration function,

1. Click to select any of the **Enable Left**, **Enable Right**, **Enable Top**, **Enable Bottom** check box to decide the side(s) needs edge acceleration.
2. **Margin** parameter decides the distance to the edge where acceleration starts to activate. Click ▲ to increase the value, ▼ to decrease it.
3. **Compensation** parameter decides the distance added as the edge acceleration takes effect. Click ▲ to increase the value, ▼ to decrease it.
4. Click **APPLY** to apply the changes, or click **OK** to apply the changes and quit the Tool.

USB Touch Right Button Tool

Posiflex USB Touch Right Button can emulate screen touch as right-clicking.

To do so,

1. Run **USB Touch Right Button Tool**.
2. Click **One-Shot Right Button**, and then the next touch on the screen would act as right-click.

Hot Key Control Specifications

The hot keys and LED's on KS-6910HS are controlled through the communications between the application software (AP) and the microcontroller (MCU). AP communicates with MCU through COM5 (RS232C: Baud rate=9600; Parity check=none; Data bit=8; Stop bit=1) by either "write" or "read".

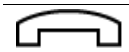
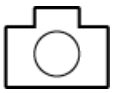
@ 9600 baud rate, non parity check, 8-bit data, 1 end bit

Write to MCU

Write Command	Result
"V&" (&= 0~9, DEFAULT&=5; 0=mute, 9=MAX)	Volume adjustment
"T" (e.g. `E0H1B0C0A0U0D0X5`)	MCU to report status every second
"Q"	MCU to stop reporting status
"S" (e.g. `E0H1B0C0A0U0D0X5`)	MCU to report current status once
"F1"	Message LED Flashing
"F0" (Default)	Message LED Off

Read from MCU

Whenever a hot key is pressed, MCU would send out a command as described in the following table.

Icon	Event	Command from MCU
—	Handset Picked	“H0”
	Handset Hang	“H1”
	Emergency Button not pressed	“E0” (Default)
	Emergency Button pressed	“E1”
	Home Button not pressed	“B0” (Default)
	Home Button pressed	“B1”
	Call Button not pressed	“C0” (Default)
	Call Button pressed	“C1”
	Camera Button not pressed	“A0” (Default)
	Camera Button pressed	“A1”
	Speaker Up Button not pressed	“U0” (Default)
	Speaker Up Button pressed	“U1” ,“X&”(&=0 to 9)
	Speaker Down not pressed	“D0” (Default)
	Speaker Down pressed	“D1”, “X&”(&=0 to 9)

Disassembly and Replacement

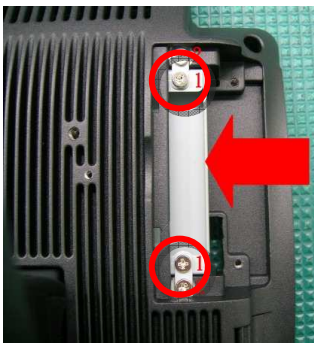
Replacing HDD/SSD

To replace HDD/SDD for KS-6910/ KS-6910TS/ KS-6910HS:

1. Place the terminal on a flat surface with LCD panel facing down.

2. Remove the two screws of the HDD/SDD cover on the back KS-6910 series model, as shown in the picture.

3. Remove the two screws securing the HDD/SSD, as shown in the picture.



4. Hold firmly onto the HDD and pull it out of the chassis.
5. Before inserting an SSD, it must be mounted onto the SSD holder (P/N: 16480101010) first.

6. When inserting the new HDD/SSD, ensure to fully insert HDD with the connector on the main board, so that the screw holes of the HDD/SSD and the ones on the chassis are in alignment.

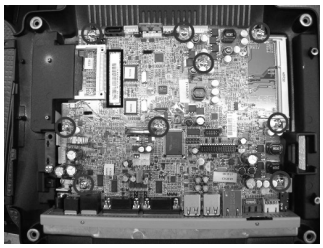
Replacing Main Board

To open up the main chassis and replace the main board:

1. Remove the screw on each corner on the back of the main chassis, and then use a flat tip screwdriver to ply open the chassis.

2. Unplug all the connectors from the main board. It's highly recommended to label the connectors before disconnecting them.

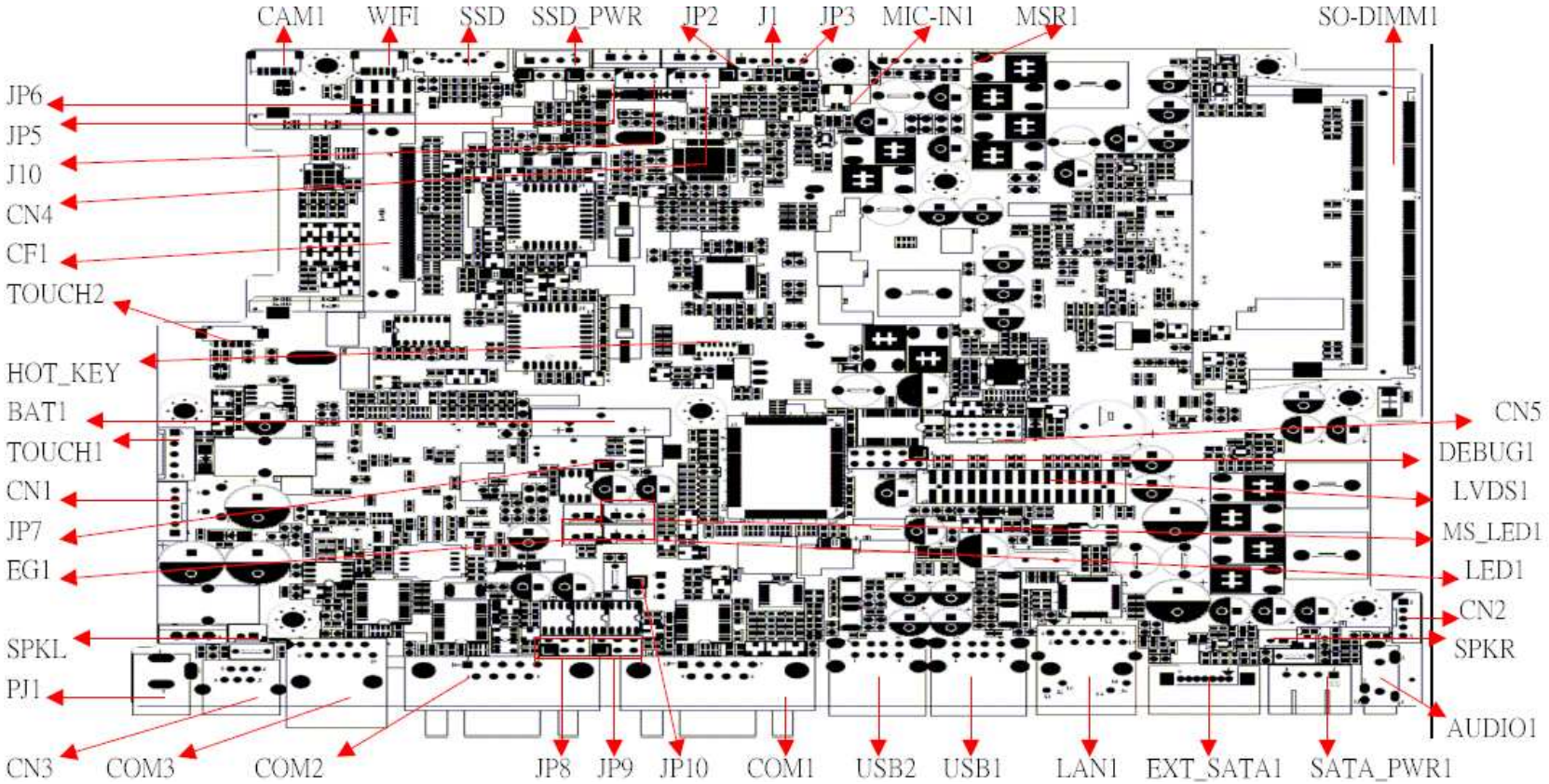
3. Remove all the screws on the main board, and separate the main board from the chassis.



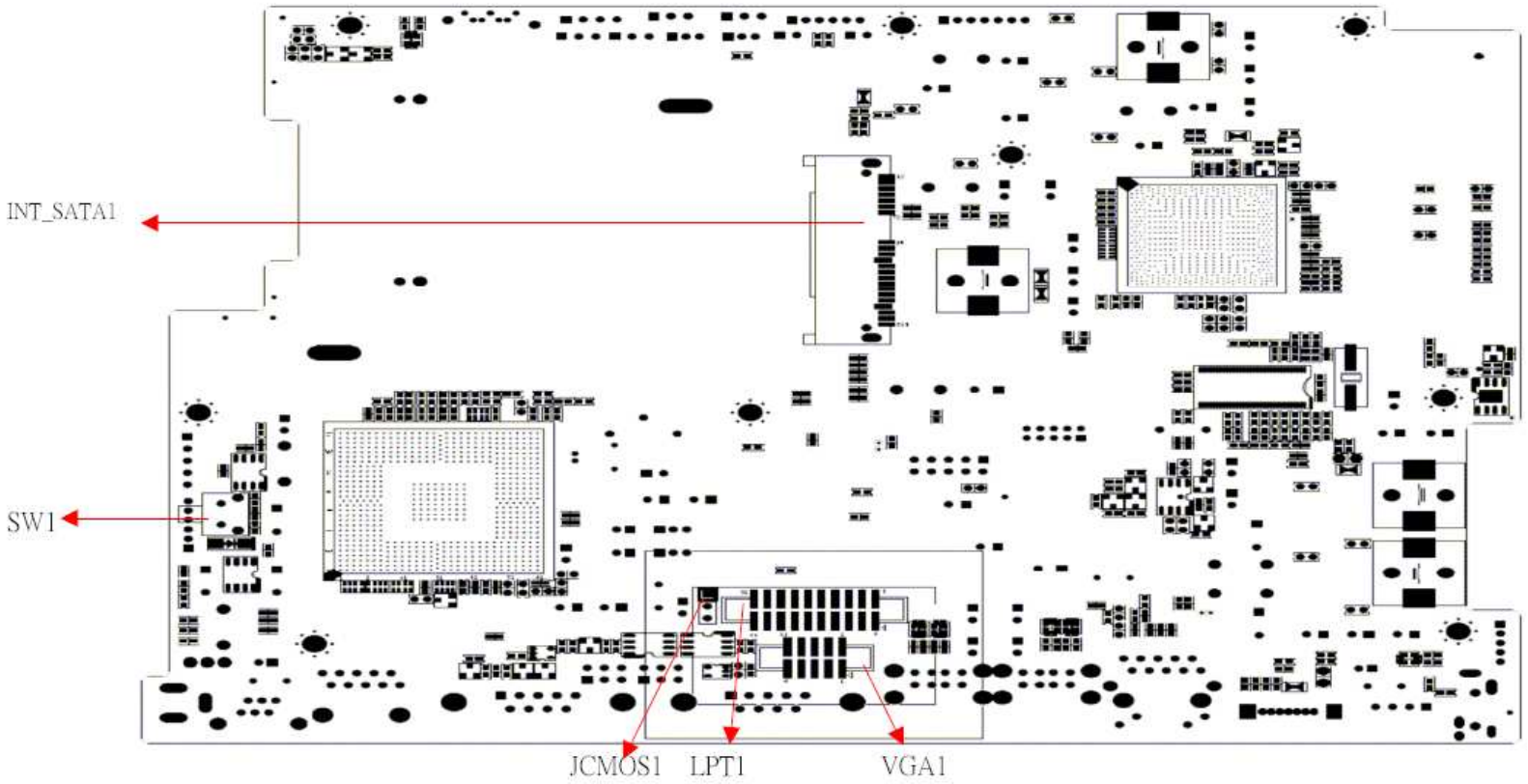
Hardware Details

Main Board

TOP



BOTTOM



Jumpers and Connectors

Jumper Settings

Jumper	Definition	Pin No.	Behaviors
JP2	Audio Volume Select	-	Short: Load default volume
			Open: Adjustable volume (Default)
JP3	Handset Function	-	Short: Enabled
			Open: Disabled (Default)
JP5	USB Touch Beep Sound	1,2	Short: From internal speaker (Default)
		2,3	Short: From buzzer
JP6	USB Touch & OS Setting	1,2	Open: Linux or WinCE
			Short: MSDOS, Win98/2000/XP (Default)
		3,4	Open: Fujitsu touch panel
			Short: ELO or OEM touch panel (Default)
		5,6	Open: Linux, WinCE, Win98/2000/XP
			Short: MS-DOS
JP7	Reserved for manufacturer. (Default=Close)		
JP8	COM3/4 DC output[1]	1,3	Short: COM3 outputs 5V (Default)
		3,5	Short: COM3 = RI
		2,4	Short: COM4 outputs 5V (Default)
		4,6	Short: Com4 = RI
JP9	COM1/2 DC output[2]	1,3	Short: COM1 outputs 5V (Default)
		3,5	Short: COM1 = RI
		2,4	Short: COM2 outputs 5V (Default)
		4,6	Short: COM2 = RI
JCMOS1	CMOS Data Control	1,2	Short: Normal (Default)
		2,3	Short: Clear CMOS

[1] Refer to Pinouts Definitions.
[2] Refer to Pinouts Definitions.

Header and Connector

Name	Definition
AUDIO1	Audio Earphone Output
BAT1	RTC Battery 3V
CAM1	USB Camera header
CF1	CF CARD Connector
CN1	Handset header
CN2	Reserved for USB header
CN3	Cache draw connector
CN4	Micro processor firmware update header
CN5	PIN header COM4
COM1	D-SUB COM1 port
COM2	D-SUB COM2 port
COM3	RJ45 COM3 port
DEBUG1	For Debug Use
EG1	Emergency use LED
EXT_SATA1	External SATA Port 7 Pin Connector
SATA_PWR1	External SATA Port Power Connector
HOT_KEY	BACK_HOME/ CALL/ CAM_DET/ VOLUME_UP- DOWN function key
INT_SATA1	SATA HDDport connector
J1	Firmware update header for touch panel controller
J10	Firmware update header for hot key controller
LAN	110/100/100m LAN port
LED1	Power/Standby led headrlpt1 LPT1
LVDS1	Panel header for 10’’ LCD
MIC-IN1	Microphone phone in header
MS_LED1	Message LED header.
MSR1	USB MSR header
PJ1	12v dc-in
SATA_PWR1	External SATA port power connector
SSD	External SATA port 7 pin connector---
SO-DIMM1	Dram connector

SPKL	Speaker header L
SPKR	Speaker header R
SW1	Power switch
TOUCH1	Touch panel 5 pin
USB1	Dual high stack USB port
USB2	Dual high stack USB port
VGA1	External VGA connector
WIFI	External WI-FI connector

Spare Parts List

The column “Pos.” in the following lists refers to the ID numbers shown in the Assembly Drawing. The column “S.” indicates the alternative selections available for the parts. This information may change over time, please contact your service provider to latest version.

KS-6910 Spare Parts List

Pos.	S.	Part Number	Description
101	1	36446007003	Plastic Front Bezel Assembly w/LED Lens for KS-6910, Black
102	1	10246278521	LED Holder M7.8*5.2MM
103	1	16590109010	LED Holder Bracket
104	1	21865033022	LED With Cable, Blue/Yellow, L=310mm
105	1	10524030082	Binding Head Self-Tapping Screw § 3-8L
106	1	36444032000	10.4” Touch Panel Assembly, w/Packing
107	1	16440107010	Left LCD Holder for KS-6910
108	1	39684002000	10.4" LCD Panel Assembly, w/ Packing
109	1	16440108010	Right LCD Holder for KS-6910
110	1	36444033000	10.4" LCD Adapter Board Assembly, w/ Double Side Tapes
111	1	21863061623	LVDS Cable for KS-6910, L=200mm
112	1	16440304013	Left Side Cover for KS-6910/HS/TS, Black
113	1	16440302013	Plastic HDD Cover for KS-6910/HS/TS, Black
114	1	10684038103	Binding Head Screw, #6/32-10L SW+W-NiB
115	1	36444003010	2.5" SATA HDD Kit for KS-6910/HS/TS, w/HDD 160GB, w/o Cable (In Main Unit)
115	2	21955016003	2.5" SATA HDD160G
116	1	36444031000	SATA SSD Module Upgrade Kit, w/o SSD
116	2	21943008002	1" SATA Disk Module 8G
116	3	21943001602	1" SATA Disk Module 16G
116	4	21943003203	1" SATA Disk Module 32G
116	5	21943006401	1" SATA Disk Module 64G

117	1	16550103030	Hinge
118	1	10684038082	Binding Head Screw,#6/32-8L SW+W-Ni
119	1	16550306023	Plastic Hinge Cover, Black
120	1	10684038123	Binding Head Screw #6/32-12L SW+W-NiB
121	1	16550304013	Plastic Neck Cover, Black
122	1	38326004003	Base Stand Assembly for LM/TM-2008/KS-6910, Black
123	1	10241300071	Strain Relief Bushing § 8.3mm
124	1	10244215801	Releasable Cable Tie 8*151mm
125	1	16590113020	Jump Cover
126	1	16440303013	Right Side Cover for KS-6910/HS/TS, Black
127	1	36446008003	Back Cover Assembly for KS-6910 (incl. All Subordinate Covers),w/o Hinge, Black
128	1	21863261500	USB I/O Cable, L=150mm, Black
129	1	16550307017	Power Button, Blue
130	1	46440606210	Main Board for KS-6910, w/ CPU Pine View-D SC 1.8G (Single Core), Ver.B0
130	2	46440616210	Main Board for KS-6910, w/ CPU Pine View-D DC 1.8G (Dual Core), Ver.B0
130	3	36444017000	KS-6910/TS/HS M/B w/ CPU Pine View-D SC 1.8G (Single Core) & IO Connector Plate, M/B Ver.B0
130	4	36444023000	KS-6910/TS/HS M/B w/ CPU Pine View-D DC 1.8G (Dual Core) & IO Connector Plate, M/B Ver.B0
131	1	36444029010	COM4 Extension Kit for KS-6910
132	1	21700009141	RS-232 Terminator Plug
133	1	10684038062	Binding Head Screw #6/32-6L SW+W-Ni
134	1	10241300011	Push Latch, Black
135	1	13700315023	Dummy MSR Cover, Black
136	1	10524030102	Binding Head Self-Tapping Screw, § 3-10L
NON01	1	36444015010	WIFI Module Kit for KS-6910HS, w/Cable
NON02	1	21863233801	RJ45 To DB9M Cable, L=150mm, Black
NON03	1	21862033420	Parallel Prot Conversion Cable, L=400mm

NON04	1	21862062300	2nd VGA Conversion Cable, L=130mm
NON05	1	21973212243	Power Adaptor 12V/50W
NON06	1	21868601300	Power Cord for USA, UL/CSA, PHP-301 to PHS-301, L=1800mm
NON06	2	39004014000	Power Cord for USA,UL/CSA,PHP-301 to PHS-301, L=1800mm for PBM
NON06	3	21868101310	Power Cord for Australia, With IEC-C13 Connector
NON06	4	21868201300	Power Cord for Europe,PHP-206/PHS-301
NON06	5	21868301300	Power Cord for Japan, IEC 320-C13
NON06	6	21868401310	Power Cord for S.A, IEC320-C13
NON06	7	21868501310	Power Cord for U.K, W/FUSE+BSI
NON06	8	21868801300	Power Cord for India,3 Wire, IEC 320-C13
NON06	9	21868901300	Power Cord for Argentina,3 Wire, L=1800mm, IEC320-C13
NON07	1	16440512110	Carton for 10" POS System
NON08	1	16440543010	PE Foam for KS-6910
NON09	1	16440901020	User Manual for KS-6910/TS/HS

KS-6910HS Spare Parts List

Pos.	S.	Part Number	Description
101	1	36594027003	Handset Assembly, Black
101	2	36594027006	Handset Assembly, Ivory
102	1	36446006003	Plastic Front Bezel Assembly w/Lens for KS-6910HS, Black
102	2	36446006006	Plastic Front Bezel Assembly w/Lens for KS-6910HS, Ivory
103	1	21888462201	Microphone 46dB/2.2K
104	1	36444017000	KS-6910TS/HS M/B w/ CPU Pine View-D SC 1.8G (Single Core) & IO Connector Plate, M/B Ver.B0
104	2	36444023000	KS-6910TS/HS M/B w/ CPU Pine View-D DC 1.8G (Dual Core) & IO Connector Plate, M/B Ver.B0
105	1	10684038062	Binding Head Screw #6/32-6L SW+W-Ni
106	1	16550307017	Power Button, Blue
107	1	10507030042	Pan Head Screw M3-4L
108	1	21883508213	Speaker Assembly 2W/8Ω w/Box

109	1	36446004003	Back Cover Assembly (incl. All Subordinate Covers),w/o Hinge, Black
109	2	36446004006	Back Cover Assembly (incl. All Subordinate Covers),w/o Hinge, Ivory
110	1	10684038102	Binding Head Screw, #6/32-10L W/SW+W-Ni
111	1	16440303013	Right Side Cover for KS-6910HS/TS, Black
111	2	16440303016	Right Side Cover for KS-6910HS/TS, Ivory
112	1	16590113020	Jump Cover
113	1	10241300071	Strain Relief Bushing § 8.3mm
114	1	10244215801	Releasable Cable Tie 8*151mm
115	1	10528030102	Pan Head Self-Tapping Screw, § 3-10L
116	1	10266020272	Rubber Foot ,20*7mm, Black
117	1	38326004003	Base Stand Assembly for LM/TM-2008/KS-6910, Black
117	2	38326004006	Base Stand Assembly for LM/TM-2008/KS-6910, Ivory
118	1	16550304013	Plastic Neck Cover, Black
118	2	16550304016	Plastic Neck Cover, Ivory
119	1	16550306023	Plastic Hinge Cover, Black
119	2	16550306026	Plastic Hinge Cover, Ivory
120	1	10684038123	Binding Head Screw #6/32-12L SW+W-NiB
120	2	10684038122	Binding Head Screw #6/32-12L SW+W-Ni
121	1	10684038083	Binding Head Screw,#6/32-8L SW+W-NiB
121	2	10684038082	Binding Head Screw,#6/32-8L SW+W-Ni
122	1	16550103030	Hinge
123	1	36444003010	2.5" SATA HDD Kit for KS-6910HS/TS, w/HDD 160GB, w/o Cable (In Main Unit)
123	2	21955016003	2.5" SATA HDD160G
124	1	16440302013	Plastic HDD Cover for KS-6910HS/TS, Black
124	2	16440302016	Plastic HDD Cover for KS-6910HS/TS, Ivory
125	1	10241300011	Push Latch, Black
126	1	16440304013	Left Side Cover for KS-6910HS/TS, Black
126	2	16440304016	Left Side Cover for KS-6910HS/TS, Ivory
127	1	36444031000	SATA SSD Module Upgrade Kit, w/o SSD

128	1	10524030082	Binding Head Self-Tapping Screw § 3-8L
129	1	16440301013	Phone Back Cover for KS-6910TS/HS, Black
129	2	16440301016	Phone Back Cover for KS-6910TS/HS, Ivory
130	1	10246278521	LED Holder M7.8*5.2MM
131	1	16590109010	LED Holder Bracket
132	1	19800310013	Dummy Fingerprint for SD400Z/X, Black
132	2	19800310016	Dummy Fingerprint for SD400Z/X, Ivory
133	1	10524030102	Binding Head Self-Tapping Screw, § 3-10L
134	1	36444022003	Camera Module Kit, w/Camera Module & Cable, w/o Camera Support & Base, Black
134	2	36444022006	Camera Module Kit, w/Camera Module & Cable, w/o Camera Support & Base, Ivory
135	1	16440310013	Left Camera Support for KS-6910HS, Black
135	2	16440310016	Left Camera Support for KS-6910HS, Ivory
136	1	16440309013	Camera Base for KS-6910HS, Black
136	2	16440309016	Camera Base for KS-6910HS, Ivory
137	1	16440311013	Right Camera Support for KS-6910HS, Black
137	2	16440311016	Right Camera Support for KS-6910HS, Ivory
138	1	16440103010	Fingerprint Bracket for KS-6910HS
139	1	16440105010	LCD Holder for KS-6910
140	1	16440313013	Plastic HotKey for KS-6910, Black
140	2	16440313016	Plastic HotKey for KS-6910, Ivory
141	1	46443502110	HotKey Board, Rev.A0
142	1	21864055501	12 Pin FFC Cable for EP/HK, L=300 mm
143	1	10501020082	Pan Head Screw M2-8L(Ni)
144	1	36595000020	RJ9 Phone Jack Kit for KS-6810HS/6910TS/6910HS
145	1	18060101010	Switch Bracket
146	1	36445000110	Switch Kit for KS-6910HS
147	1	16440306910	Emergency Button for KS-6910HS, Red
148	1	18060302013	Handset Base Hook, Black
148	2	18060302016	Handset Base Hook, Ivory

149	1	21865033022	LED Power Cable, Blue/Yellow
150	1	36444019000	10.1” Touch Panel Assembly, w/Packing
151	1	36444020000	10.1" LCD Panel, w/Packing
152	1	36444021000	10.1" LCD Adapter Board Assembly, w/ Double Side Tapes
153	1	21864053010	30 Pin FFC Cable, L=80 mm
154	1	21863061621	LVDS Cable, L=200mm
NON01	1	21863233801	RJ45 To DB9M Cable, L=150mm, Black
NON02	1	21862033420	Parallel Conversion Cable, L=400mm
NON03	1	21862062300	VGA Cable, L=130mm
NON04	1	21973212243	Power Adaptor 12V/50W
NON05	1	21868601300	Power Cord for USA,UL/CSA,PHP-301 to PHS-301
NON05	2	21868101310	Power Cord for Australia, With IEC-C13 Connector
NON05	3	21868201300	Power Cord for Europe,PHP-206/PHS-301
NON05	4	21868301300	Power Cord for Japan, IEC 320-C13
NON05	5	21868401310	Power Cord for S.A, IEC320-C13
NON05	6	21868501310	Power Cord for U.K, W/FUSE+BSI
NON05	7	21868801300	Power Cord for India,3 Wire, IEC 320-C13
NON05	8	21868901300	Power Cord for Argentina,3 Wire, L=1800mm, IEC320-C13
NON06	1	16440510110	Carton for 10" POS System
NON07	1	10331201305	PE Bag, 135*200*0.05mm
NON08	1	16440540010	PE Foam for KS-6910HS/TS
NON09	1	16440901020	User Manual for KS-6910/TS/HS
NON09	2	16440900110	Traditional Chinese Manual for KS-6910TS/HS

KS-6910TS Spare Parts List

Pos.	Pos.	Pos.	Pos.
101	1	36594027003	Handset Assembly for KS-6810/6910, Black
102	1	36446003003	Plastic Front Bezel Assembly w/LED Lens for KS-6910TS, Black
103	1	10524030082	Binding Head Self-Tapping Screw § 3-8L
104	1	36444017000	KS-6910TS/HS M/B w/ CPU Pine View-D SC 1.8G (Single Core) & IO Connector Plate, M/B Ver.B0

104	2	36444023000	KS-6910TS/HS M/B w/ CPU Pine View-D DC 1.8G (Dual Core) & IO Connector Plate, M/B Ver.B0
105	1	10684038062	Binding Head Screw #6/32-6L SW+W-Ni
106	1	16550307017	Power Button, Blue
107	1	36446004003	Back Cover Assembly (incl. All Subordinate Covers),w/o Hinge, Black
108	1	10684038102	Binding Head Screw, #6/32-10L W/SW+W-Ni
109	1	16440303013	Right Side Cover for KS-6910HS/TS, Black
110	1	16590113020	Jump Cover
111	1	10241300071	Strain Relief Bushing § 8.3mm
112	1	10244215801	Releasable Cable Tie 8*151mm
113	1	10528030102	Pan Head Self-Tapping Screw, § 3-10L
114	1	10266020272	Rubber Foot ,20*7mm, Black
115	1	38326004003	Base Stand Assembly for LM/TM-2008/KS-6910, Black
116	1	16550304013	Plastic Neck Cover, Black
117	1	16550306023	Plastic Hinge Cover, Black
118	1	10684038123	Binding Head Screw #6/32-12L SW+W-NiB
119	1	10684038082	Binding Head Screw,#6/32-8L SW+W-Ni
120	1	16550103030	Hinge
121	1	36444003010	2.5" SATA HDD Kit for KS-6910HS/TS, w/HDD 160GB, w/o Cable (In Main Unit)
121	2	21955016003	2.5" SATA HDD160G
122	1	16440302013	Plastic HDD Cover for KS-6910HS/TS, Black
123	1	10241300011	Push Latch, Black
124	1	16440304013	Left Side Cover for KS-6910HS/TS, Black
125	1	36444031000	SATA SSD Module Upgrade Kit, w/o SSD
126	1	16440301013	Phone Back Cover for KS-6910TS/HS, Black
127	1	21865033022	LED Power Cable, Blue/Yellow
128	1	10246278521	LED Holder M7.8*5.2MM
129	1	16590109010	LED Holder Bracket
130	1	13700315023	Dummy MSR Cover, Black
131	1	16440100010	Left LCD Holder for KS-6910

132	1	10501020082	Pan Head Screw M2-8L(Ni)
133	1	36595000020	RJ9 Phone Jack Kit for KS-6810HS/6910TS/6910HS
134	1	10524030102	Binding Head Self-Tapping Screw, § 3-10L
135	1	18060101010	Switch Bracket
136	1	16440105010	Right LCD Holder for KS-6910
137	1	18060302013	Handset Base Hook, Black
138	1	36444019000	10.1” Touch Panel Assembly, w/Packing
139	1	36444020000	10.1" LCD Panel, w/Packing
140	1	36444021000	10.1" LCD Adapter Board Assembly, w/ Double Side Tapes
141	1	21864053010	30 Pin FFC Cable, L=80 mm
142	1	21863061621	LVDS Cable, L=200mm
NON01	1	21700009141	RS-232 Terminator Plug
NON02	1	21863233801	RJ45 To DB9M Cable, L=150mm, Black
NON03	1	21862033420	Parallel Conversion Cable, L=400mm
NON04	1	21862062300	VGA Cable, L=130mm
NON05	1	21973212243	Power Adaptor 12V/50W
NON06	1	21868601300	Power Cord for USA,UL/CSA,PHP-301 to PHS-301
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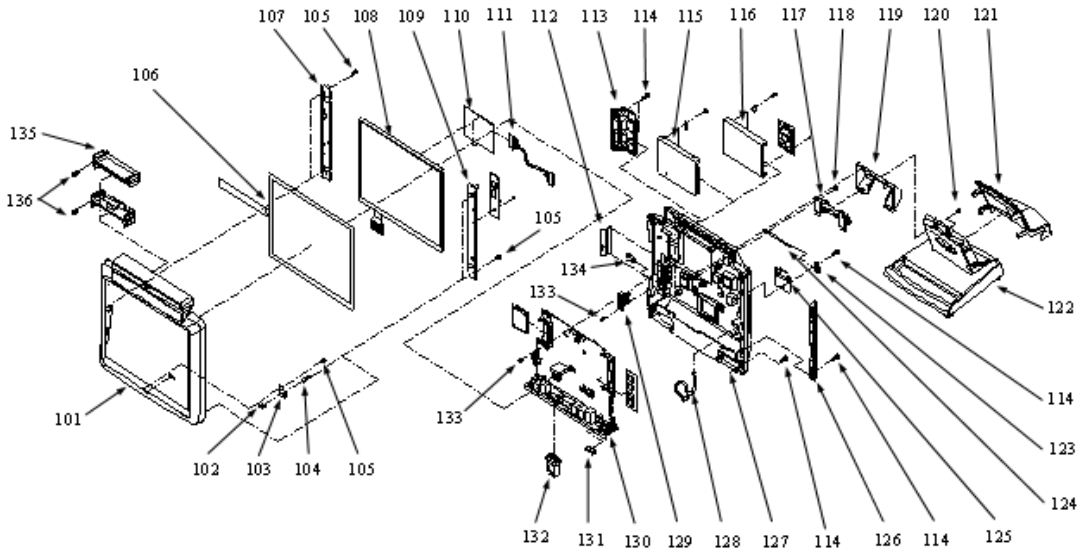
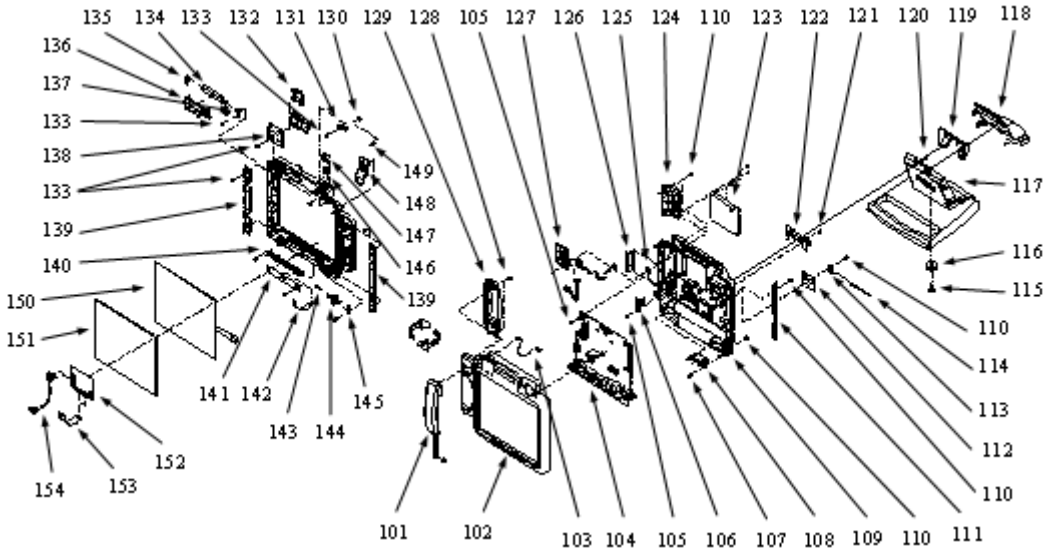
NON08	1	10331201305	PE Bag, 135*200*0.05mm
NON09	1	16440540010	PE Foam for KS-6910HS/TS
NON10	1	16440901020	User Manual for KS-6910/TS/HS

Assembly Drawing

KS-6910



KS-6910HS



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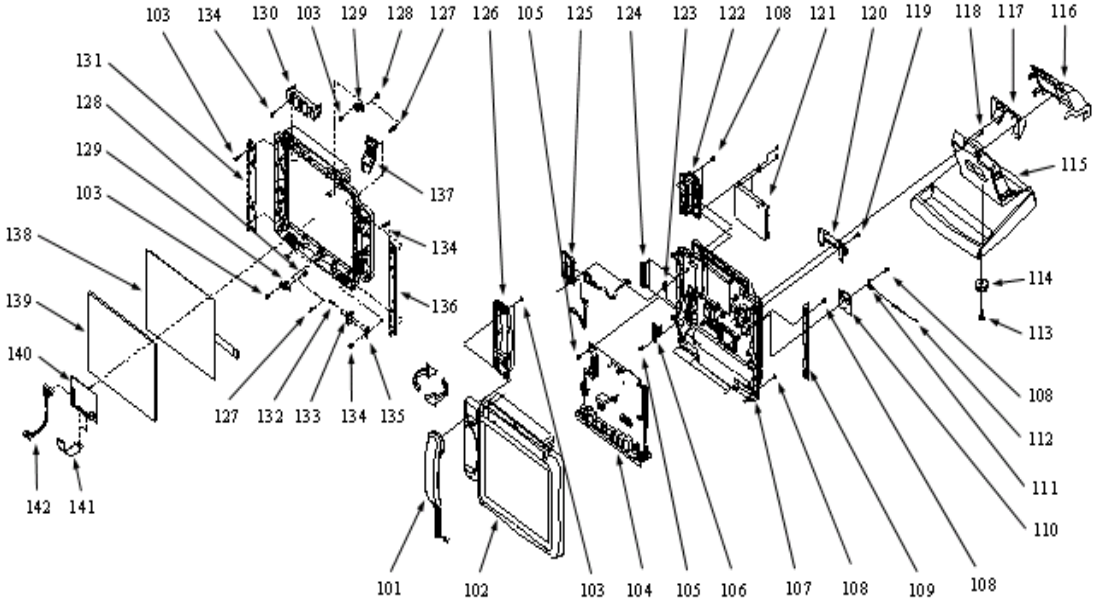
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